

ADDITIONS TO THE MUSEUM.

1890.

MAMMALIA.

Zoological Society of Philadelphia. Mounted specimens of *Synotheres prehensilis* and *Crossarchus obscurus*; prepared skeletons of *Auchenia guanaco*, *Oreos canna*, *Cervus Canadensis*, *Equus zebra*, *Macacus arctoides* and *Cervus Sika*; skin of *Macacus arctoides*.

BIRDS.

F. C. Baker. A collection of sixty-nine birds from Rhode Island and Florida.

E. Fronani. *Chrysotis ochrocephala* and *Icterus icterus*.

Chas. Liebeck. Nest and eggs of chewink (*Pipilo erythrophthalmus*), from Willow Grove, Pa.

Zoological Society of Philadelphia. Skin of *Aramus giganteus*.

Academy Expedition to Mexico (1890.) Two hundred and thirty-three specimens (108 species, about one-fifth new to the Academy's collection) of birds from Yucatan and Mexico.

REPTILES AND AMPHIBIANS.

Mrs. J. B. Ellis. Snake-skin from Sierra Leone, Africa.

F. M. Beamer. Two skins (slough) of *Eutania sirtalis*.

John Ford. *Ophibolus doliatus*, var. *triangulus*, from Belmont, Philadelphia.

Louis Vossion. Skin of the Cobra di Capello, from Madras.

Chas. Liebeck. *Salamandra fasciatus*, from Hammonton, N. J.; *Sceloporus undulatus*, from Atlantic City, N. J.; *Bufo Americanus*, *Spelerpes ruber*, and *Sceloporus undulatus*, from Camden, N. J.

Wm. J. Fox. *Amblystoma opacum*, from Atlantic City, N. J.

Arthur Erwin Brown. *Stilosoma extenuata*, from Lake Kerr, Florida (type); *Eutania nigrolateris*, from Tucson, Arizona (type.)

F. C. Baker. *Cyclophis astivus*, *Elaps fulvius*, *Tropidonotus*, *sp?* from Oak Lodge, Fla.; *Eutania sirtalis*, from Philadelphia.

F. W. Wahnsley. *Heterodon simus*, from Bridgeton, N. J.; *Eutania sirtalis*.

FISHES.

Benjamin Sharp. Collection of fishes from the Caribbees; *Cyclopterus lumpus*; *Gobiesox*, *sp?* from Villafranca.

P. Laurent. *Lutjanus Stearnsii*, from Anglesea, N. J.

RECENT INVERTEBRATA (excluding Mollusca and Insecta.)

Miss L. Kromer. A collection of Bryozoa, and *Lepidonotus squamatus*, from Nantucket, Mass.

Angelo Heilprin. Two trays of *Suberites compacta*, *Balanus*, *sp?* sponges, and worms from Nantucket, Mass.

- Wesley P. Wright. Four trays of mounted specimens of *Aglaophenia struthionides*, from the Californian coast.
- Eugene M. Aaron. *Julus* sp?, from a bunch of bananas.
- Witmer Stone. Parasitic worms from the intestine of Cooper's Hawk.
- S. G. Dixon. Boring of Carpenter Ant in cherry-wood.
- Benjamin Sharp. Collection of Invertebrates from the Caribbees; *Arenicola ecaudata* and *Spirographis Spallanzanii*, from Villafranca, near Nice; *Ascidia intestinalis*, *Hermione* sp?, *Thysanozoon Brocchii*, from Naples; *Arenicola piscatorum*, *Psammolyce arenosa*, *Sternaspis* sp?, *Phascolosoma*, sp? and *Scorpio Europæus*, from Villafranca.
- Collection of Invertebrates from the Mediterranean.
- Uelma C. Smith. *Arenicola cristata*, from Anglesea, N. J.
- Smithsonian Institution. A collection of *Echinoidea*, *Asteroidea*, *Ophiuroidea*, *Holothuroidea*, *Crinoidea*, *Anthozoa*, *Hydroidea*, *Crustacea* and *Annelida*, principally from the dredgings of the U. S. Fish Commission.
- Jas. T. B. Ives. *Flustra foliacea*, from Hartlepool, Eng.
- Wm. J. Fox. Turret Spider (*Lycosa arenicola*) from Atlantic City, N. J.; nest of *Polistes pallipes*.
- Miss Edith Ives. *Medusa* and *Ocypoda arenaria*, from Atlantic City, N. J. A collection of Invertebrates from Five Mile Beach, N. J.
- John Ford. *Iepas fascicularis*, from Atlantic City, N. J.; Serpuloid tubes on *Natica duplicata*, from Anglesea, N. J.; *Echinoneus semilunaris*, from Cuba.
- J. E. Ives. Nine species of Invertebrates from Holly Beach, N. J. A collection of Invertebrates from Five Mile Beach, N. J.
- Academy of Natural Sciences Expedition to Mexico, 1890. Thirteen species of Echinoderms, and a collection of Corals and Bryozoans from the northern coast of Yucatan and the harbor of Vera Cruz.
- F. C. Baker. Scorpions from Oak Lodge, Fla.
- H. C. McCook. *Lumbricus terrestris*, from Hollidaysburg, Pa.
- D. J. Bullock. *Cucumaria frondosa*, from Bar Harbor, Me.
- Isaac Norris. *Strongylocentrotus Drobachiensis*.
- W. S. W. Ruschenberger. *Pollicipes mitella*, from Cochin-China.
- Joseph Leidy. *Verella mutica*, from Beach Haven, N. J.

MOLLUSCA (recent.)

- Academy Expedition to Mexico (1890). Three hundred and twenty-five trays of marine shells from Yucatan and Mexico; 406 trays of land and fresh-water shells, collected by Prof. Heilprin and others; eight trays and bottles of mollusca, collected at Havana, Cuba.
- Dr. Harrison Allen. *Helix hortensis* L., Nantucket.
- American Association of Conchologists (through Mr. Campbell, President), 153 trays of marine, land, and fresh-water shells of the United States and Alaska (detailed list of which will be found in *The Nautilus* for November and December, 1890).
- F. C. Baker. *Murex haustellum* var. *longicauda* Baker; *Lyogyrus Brownii* Cpr. R. I., *Planaxis lineatus* Bahamas; *Ricinula Pilsbryana* Baker (type), Ceylon.

- Strophia lineata* Mayn.; *Peristernia nassulata* Lam.; ten species of Polynesian marine shells.
- John Brazier. Five species of Australian mollusks in alcohol.
- John H. Campbell. *Helix trizonaloides* A. D. Brown, type. *Ricinula iodostoma* Ducl. N. Zealand.
- Dr. H. Chapman. *Neptunea decemcostata*, *Terebratulina septentrionalis*, etc., from Mt. Desert, Maine, contained in ten trays and bottles.
- Conchological Section (obtained by purchase.) Twenty-five trays of Philippine Island land shells; *Helix Gaberti* from New Ireland; 18 species of Lake Tanganyika shells; 54 trays of marine shells, new to the museum; 203 trays of land and fresh-water shells from the western U. S., and (by exchange) 100 species of Palearctic land and fresh-water shells, from Robert Jetschin.
- O. A. Crandall. Twelve species of fresh-water shells from Missouri and Arkansas, including types of *Goniobasis Crandalli* Pilsbry.
- W. H. Dall. *Halistylus columna* Dall.
- Geo W. Dean. *Helix Tiesenhauseni* Gredl. Tyrol.
- F. J. Ford. Five species of land shells from Kansas.
- John Ford. Types of *Helicina Dentoni* Pilsbry, and *Helix Deaniana* Ford, from New Guinea; *Gibbula obliquata*, *Helix candidissima* large var., *H. tigris* var. *dicallistodon* Bgt., *Helix tigris* Gervais, *Soleu*, from N. J.; *Astratium*, *Monodonta* (4 spp.) and *Trochus*; *Haliotis gigantea* Chemn. and four species of New Jersey shells.
- Wm. J. Fox. Twenty-eight species of New Jersey land and fresh-water shells. *Peristernia Wagneri* Anton. One species of *Cerithium*; *Helix introferens* Bld. from Atco, N. J.; *Bulimus* sp.; *Turbinella muricatum* var.; 4 species of marine shells.
- I. Greeger. *Triton femorale*, L., Bahamas.
- Dr. W. H. Hartman. Two species of *Strophobasis*; eight species of *Helicina*.
- Prof. F. L. Harvey. Four species of Pacific Ocean shells (new to collection), type of *Engina Harveyana*, Baker.
- J. E. Ives. *Nassa obsoleta*, and eight other mollusks, Sea Isle City, N. J.
- C. W. Johnson. *Neritina Virginea*, L., Fla.; *Cerithium atratum*, Marco, Fla.; six species of *Monodonta* and *Euchelus*.
- G. W. Lichtenthaler. *Ostræa edulis* var. *Adriatica*, *Dosinia lupinus*, from Venice; *Anodonta cygnea* var., England.
- G. D. Lind. Three species of fresh-water shells from St. Louis, Mo.
- Geo. T. Marston. *Bythinella obtusa* Lea, Green Bay, Wis.
- Wm. J. McGinty. *Astyris lunata* Say, Atlantic City, N. J.
- D. R. Pilsbry. *Vivipara* sp., Orange Co., Fla.
- H. A. Pilsbry. *Venus merceneria* var. *antiqua*, Nantucket; *Limax agrestis*; *Helix Kameri*; 4 sp. *Zonites* and 4 sp. *Helix*, Natural Bridge, Va.; *Helix Hyeli* Mitt., Balearic Is; *Bythinella latheineri*, Italy; *Holospira Elizabethæ*, section and abnormal shell with double aperture.—*Helicina occulta* Say, Natural Bridge, Va. *Goniobasis Ozarkensis* Call, Mo.; *G. nigrina* Lea, Oregon. Sixteen species fresh-water shells from New Orleans; *Limnæa bulimoides* Lea, Dakota; *Gundlachia Meekiana*, Rock Island, Ill.; *Succinea Sallæana*, New Orleans, La. (alcoholic); *Limax campestris*, New Orleans, La.; *Helix hamas-*

- toma* var. *concolor*, type of var., Ceylon; *Limnæa bulimoides* Lea, Ogalalla, Neb.
- Henry Prime. Forty species of Haytian mollusks, preserved in glycerine.
- G. H. Ragsdale. *Bulimulus Ragsdalei*, from Texas (types of sp.) *Helicina orbiculata*, Texas. *Unio tuberculatus*, Texas. *Helix thyroides* var., Texas.
- S. R. Roberts. Three species of *Unio*, from Florida.
- E. W. Roper. Ten species of land and fresh-water mollusks.
- F. A. Sampson. Six species of *Strepomatidæ*; *Helix Kiowaensis* var. *Arkansensis* Pils., types of var., 4 sp. land shells, Sedalia, Mo.
- J. Shallcross. *Voluta Ferussaci* Dou., Patagonia.
- Dr. Benjamin Sharp. Ninety-four trays of Caribbæan shells, and thirty bottles of alcoholic specimens, from Naples and Villafranca.
- J. A. Singley. Twenty species of fresh-water and land shells from Texas.
- U. C. Smith. Three species of marine shells, Anglesea and Atlantic City, N. J. *Littorina irrorata*, Atlantic City, N. J.; *Scalaria turricula* Sowb., Anglesea, N. J.
- Frederick Stearns. *Helix*, six species, Japan and China.
- R. E. C. Stearns. Four species of *Bulimus*, Buenos Ayres.
- W. S. Strode. Suite of twelve *Anodonta suborbiculata*; *A. grandis*, from Illinois.
- M. B. Taylor. Collection of seventy-five trays of East Indian shells, collected by the late Marmaduke Burrows.
- A. W. Vogdes. *Dentalium* sp., Florida.
- Jos. Willcox. Six species of mollusks from Florida.
- B. H. Wright. *Bulimulus* from Florida. *Goniobasis Etawahensis* Lea, Florida.
- S. Hart Wright. *Planorbis scalaris* Jay, in alcohol.

FOSSIL VERTEBRATA.

- Joseph Willcox. Hyposternal bone of *Emys*, from the Pliocene of Florida.
- Joseph Leidy (in exchange.) *Emys Wyomingensis*, from the Bridger Eocene of Wyoming.
- A. E. Foote. Fragment of molar of elephant, from Jalisco, Mexico.
- J. K. Corson. Vertebrae of Saurian, from the Ft. Bridger Eocene.
- Joseph Jeanes. A collection of mammalian remains from the Oligocene and Miocene deposits of France.

FOSSIL INVERTEBRATA.

- R. T. Hill. A collection of fossils (and rocks) from the Cretaceous of Texas and Arkansas.
- George Dare. Eleven trays of fossils from New Jersey.
- L. Woolman. Ten trays of Post-Pliocene fossils from New Jersey.
- John H. Campbell. Two species of Post-Pliocene fossils from California.
- J. K. Corson. A collection of Cretaceous fossils from Wyoming.
- Morris B. Miller. *Inoceramus Cripsii* (?) from near Fort Wingate, New Mexico
- Joseph Willcox. *Balanus*, sp? from the Caloosahatchie deposits, Florida (Pliocene,) and six species of Mollusca.

- J. E. Ives. *Lituities sp?* from Henderson's Station, Pa.; a collection of Cretaceous fossils from the region of Mullica Hill, N. J.
- Joseph Leidy, *Scolithus linearis*, from the grounds of the University, Philadelphia.
- H. A. Pilsbry. *Dreissena sp?* from the Congeria beds of the Caspian basin.
- T. D. Rand. Coralliferous pebble (Lower Silurian?), from Southern New Jersey. State Geological Survey of Texas. A collection of Eocene fossils (comprising the greater number of the known species) from the Gulf border of the State.

MINERALS, ROCKS, ETC.

- Miss Frances Lea. Phlogopite, St. Lawrence Co., N. Y., from the collection of the late Dr. Isaac Lea.
- W. W. Jefferis. Leelite, Leni, Delaware Co., Pa.; Capillary Pyrite and Sphalerite, from Mineral Point, Wis.; Orthoclase, from Johnson's Quarry, Delaware Co., Pa.; Chondrodite, from Putnam Co., N. Y.; Apophyllite and Calcite, from French Creek Mines, Pa.; Amethyst from Oglethorpe Co., Georgia; Asbestos from Pelham, Mass.; Serpentine from Texas, Lancaster Co., Pa.; Menaccanite from Dublin, Harford Co., Md.; Phlogopite and Serpentine, Edwards, St. Lawrence Co., N. Y.; Phlogopite from Muscalonge Lake, St. Lawrence Co., N. Y.; Trap rock from West Chester, Pa.
- Angelo Heilprin. Clays from Martha's Vineyard, Mass.
- Benjamin Sharp. Nine trays of minerals from Antigua.
- Mrs C. J. Bloomfield Moore. Agate chimney filled with crystallized quartz, from 35 m. northwest of Green River Station, on the Union Pacific Railroad.
- W. H. Witte. Siderite and Jasper from Ivy's Mine, Northampton Co., Pa.
- M. Hartman. Five specimens of iron-ore, from Texada Island, British Columbia.
- A. W. Moore. Specimens of Guano from Navassa, West Indies.
- E. Fronani. Nodular Quartz, from Philadelphia.
- Joseph Leidy. A collection of rocks from Kennebunkport, Me.; decomposed granite, from the grounds of the University, West Philadelphia.
- J. E. Ives. Limestone containing a vein of quartz from Henderson's Station, Pa.
- Mrs. W. P. Saunders. Quartz crystals, from Crystal Hill, near Delaware Water Gap, Pa.

PLANTS.

- Prof. José N. Rovirosa. Three hundred species of plants from the State of Tabasco, Mexico.
- Thomas Meehan. Sixty-one species of plants from various regions, mostly cultivated.
- Prof. J. C. Arthur. Specimens of *Tilletia fatens* B. and C. (stinking smut or bunt), from fields of Fultz wheat, Haw Patch, Ind.
- Townsend S. Brandegee. One hundred and twenty-one species of plants collected by him in the peninsula of Lower California, Mexico, January, May, 1889.
- John Archagouni. Tubers of *Arum orientale* L., from Constantinople.
- Dr. Edward J. Dirickson (through Mr. H. N. Potts.) *Phoradendron flavescens* Nutt. (American mistletoe) in fruit.

- John H. Redfield. Six hundred and seventy-nine species of plants collected by Miguel Bang in Bolivia, S. A., in 1889; 127 species of mosses from Ceylon, collected and named by Thwaites; 13 species of mosses from Sandwich Islands; 335 species of plants collected by C. G. Pringle, mostly in the Republic of Mexico, in 1889; Underwood and Cook's N. American Hepaticæ, Decades V-VIII; 40 species.
- Wm. M. Canby. *Aquilegia Jonesii* Parry, collected by F. Tweedy, in Montana; 59 species of European plants, mostly collected in Spain, by E. Reverchon, in 1889.
- Ellis and Everhart. Centuries 24 and 25 of North American Fungi, received in exchange for duplicate Centuries heretofore received from estate of Dr. George A. Martin.
- Dr. J. H. Sandberg, Minneapolis, Minn. Four species of plants from Idaho. Agricultural Department, Washington, D. C. Forty-four species of mosses, collected in California by H. N. Bolander, and determined by Mrs. E. G. Britton.
- Isaac Burk. Five species of tropical American plants, cultivated at Horticultural Hall, Phila.; 14 species of plants, mostly from ballast grounds.
- Prof. F. L. Scribner. Fifteen species of plants from Roane Mt., N. C.
- Dr. J. Bernard Brinton. Thirteen species of plants, mostly from Tennessee.
- Academy Expedition to Mexico, 1890. Three hundred and twenty-five species of plants collected in Yucatan, in the vicinity of Orizaba and Mexico, and on the Pacific slope, by Stone, Baker and Heilprin, February-May, 1890.
- Mrs. E. G. Britton and Dr. J. B. Leiberger. Thirty-nine species of mosses, collected by Dr. Leiberger, in Idaho.
- W. G. Warden, through Thomas Meehan. Seven hundred species collected by J. Bornmüller in the province of Amasia, Asia Minor.
- Miss Mary A. Schively. Specimens of *Hormactis Quoyii*, a marine alga, mounted and in spirits.
- Lewis Woolman. Section of red cedar (*Juniperus Virginiana* L.) from Long Beach, near Barnegat, N. J., prostrated by the blizzard of March 11th, 1888.
- Eugene A. Rau, Bethlehem, Pa. *Tribulus terrestris* L. and *Centaurea solstitialis* L., natives of southern Europe, growing upon iron ore heaps at Bethlehem, Pa.
- Dr. Samuel Lewis. Peloric form of *Digitalis purpurea* L.
- John K. Small, Lancaster, Pa. Specimens of *Asplenium pinnatifidum* Nutt. from various localities in Lancaster Co., Pa.
- Prof. Thos. C. Porter. Twenty-three species of plants from Pennsylvania and New Jersey.
- Edward L. Rand and John H. Redfield. One hundred and sixty species of plants from Mt. Desert I., Me., being portion of a series intended as vouchers for a proposed Catalogue of the Flora of that island.
- Mrs. Flora E. Haines, Bangor, Me. *Aspidium Filix-mas* from Cape Breton.

 ADDITIONS TO LIBRARY.

In consequence of the amount of scientific matter included in the Proceedings for 1890, the list of Additions to the Library has been omitted. The receipt of exchanges and donations will be acknowledged by mail.